

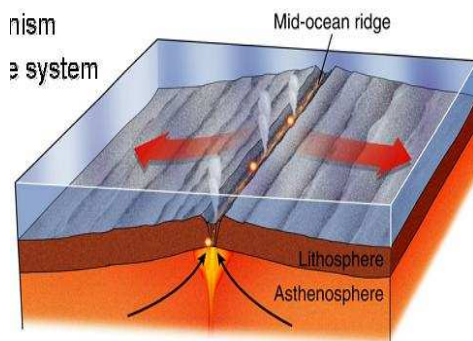
Plate Tectonics Quiz – Review Sheet

1. List the four layers that make up the inside of earth and describe/define each:
 - a. Crust:
 - b. _____:
 - c. _____:
 - d. _____:
2. Which of the layers above is liquid? _____
3. Which layer(s) are made completely of metal? _____
4. Which layer is the thinnest? _____
5. Which layer(s) make up the lithosphere? _____
6. Which layer(s) make up the asthenosphere? _____
7. Alfred Wegener proposed “continental drift” about 100 years ago. Geologists have modified his original ideas a little bit and we now have lots of evidence for the theory of “Plate Tectonics”. Summarize this theory below:

8. The “plates” that move in plate tectonics are made of which of Earth’s layers?

a. Crust	b. Asthenosphere	c. Lithosphere
d. Mantle	e. Outer core	

For questions #9-11: Label each plate boundary AND list a real-world example where each is occurring on Earth (ex: Mid-Atlantic Ridge):



9. Plate boundary: _____
Real-world example: _____

10.

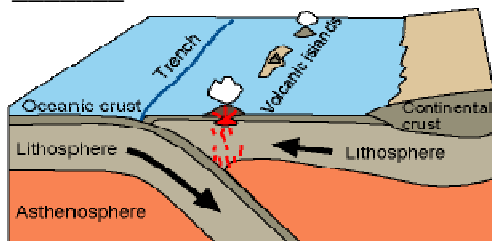


Plate boundary: _____

Real-world example: _____

11.

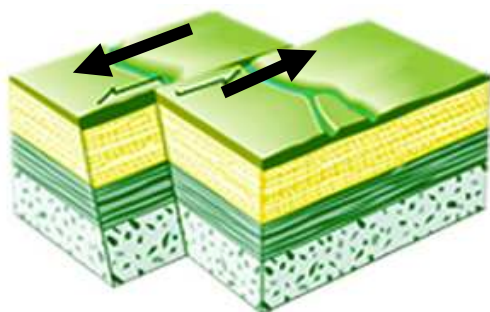


Plate boundary: _____

Real-world example: _____

12. Go back and circle the **ARROWS** that represent the **FORCES** in #10, 11 and 12.

For #13-19, complete the table below.

Forces	Name of Plate Boundary	Typical Fault Type
Away from each other	13.	17.
Toward each other	14.	18.
Side by side	15.	19.

20. Define **fault**:List the three types of faults and draw the arrows that represent the **FORCES** acting on each:

Fault type:	21. Normal fault	22.	23.
Forces acting on the fault:	24.	25.	26.

27. How is the size of the Pacific Ocean changing today due to plate tectonics? How must the Atlantic Ocean be changing? Support your ideas with evidence.